

<b>Notice of Allowability</b>	Application No.	Applicant(s)	
	09/599,813	ARDELEANU ET AL.	
	Examiner	Art Unit	
	Quoc A. Tran	2176	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed 2/22/2006 and Interview 09/11/2006.
2. ☒ The allowed claim(s) is/are 27-42 (Renumbering as 1-16 respectively).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

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| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input checked="" type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948)</li> <li>3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br/>Paper No./Mail Date <u>5/22 &amp; 8/7, 2006</u></li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application</li> <li>6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date <u>09/12/2006</u></li> <li>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____</li> </ol> |
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*William P. Bashore*  
**WILLIAM BASHORE**  
**PRIMARY EXAMINER**

### REASONS FOR ALLOWANCE

Claims 27-42 are allowed over the prior art of record.

The following is a statement of reasons for the indication of allowable subject matter:

In interpreting the claims in light of the specification and applicant's arguments, the amendment filed 02/22/2006, and interview on 09/11/2206. Examiner finds the claimed invention is patentably distinct from the prior art of record.

The prior art of record ELO et al. US 20030204814A1 filed 09/27/1999, in view of Moore et al. US 2001/0056429 A1 - provisional Application No. 60/191,662 filed 03/23/2000, further in view of Lemmons et al. US 20030051243A1- Continuation of 09/227,358 filed 01/08/1999, further in view of Fisher et al. US 20040205473A1- Provisional 60/177,657 filed 01/27/2000 (hereinafter Fisher), which set forth in the previous rejection mailed on 05/05/2006.

The prior art of record taught most of the Applicant's claimed limitation, but does not expressly teach defining one or more crystals, each of which containing one or more behaviors and an XSLT transformation for transforming an XML document into a DHTML view; using the one or more crystals to render a DHTML view from an XML document that enabling user interaction with the DHTML view; and mapping, via the one or more behaviors, user interactions in the DHTML view to the XML document, wherein the one or more behaviors are data-shape dependent that defined by the XML document.

In addition, the Examiner reads the above as an XML authoring method; wherein XSLT is utilized to produce DHTML views (see Applicant Spec page 9 lines 6-19), and during the process of transformation of XML document into DHTML, the notion Crystal is introduces (i.e.

Art Unit: 2176

the behavior of the document and associated to XSLT (see Applicant Spec page 7 line 16 through page 8 line 12).

The Examiner asserts that the claims overcome the prior art of record when the limitations are read in combination with the respective claimed limitations in their entirety.

The dependent claims, being further limiting to the independent claims, definite and enabled by the Specification are also allowed.

#### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Lance Sadler, Attorney for Applicant(s) on September 11, 2006.

#### **The application has been amended as follows:**

1-26. (Canceled).

27 (Original) A method of manipulating an XML document comprising:  
defining one or more crystals, each of which containing one or more behaviors and an XSLT transformation for transforming an XML document into a DHTML view;  
using the one or more crystals to render a DHTML view from an XML document;  
enabling user interaction with the DHTML view; and

Art Unit: 2176

mapping, via the one or more behaviors, user interactions in the DHTML view to the XML document.

28 (Original) The method of claim 27, wherein the one or more behaviors are data-shape dependent.

29 (Original) The method of claim 27, wherein the one or more behaviors are data-shape dependent on a data shape defined by the XML document.

30 (Original) The method of claim 27, wherein the one or more behaviors are configured to function independently of an XML schema of which the XML document is an instance.

31 (Original) The method of claim 27, wherein the one or more behaviors are configured to function independently of XML tags that might be used.

32 (Original) The method of claim 27, wherein the behaviors are implemented as binary code.

33 (Original) The method of claim 27, wherein the crystals are reusable across different XML documents.

34 (Original) One or more computer-readable media having computer-readable instructions thereon which, when executed by a computer, implement the method of claim 27.

35 (Original) One or more computer-readable media having computer-readable instructions thereon which, when executed by a computer, cause the computer to:  
provide multiple crystals, each of which containing one or more behaviors and an XSLT transformation for transforming an XML document into a DHTML view;  
use one or more of the crystals to render a DHTML view from an XML document;

attach at least one behavior to at least one DHTML tag;

ascertain that a user has interacted with a DHTML view associated with the at least one DHTML tag; and

use the behavior associated with the at least one DHTML tag to map a user interaction back to the XML document and make associated structural changes in the XML document.

36 (Original) The one or more computer-readable media of claim 35, wherein the behaviors are implemented as binary code.

37 (Original) The one or more computer-readable media of claim 35, wherein the behaviors are data shape dependent.

38 (Original) The one or more computer-readable media of claim 35, wherein the behaviors are not dependent upon an XML schema.

39 (Currently Amended) A method of manipulating an XML document comprising: associating one or more behaviors with a DHTML tag in a DHTML view that has been rendered from an XML document, wherein the one or more behaviors are independent of data values; and responsive to a user interacting with a DHTML view associated with the DHTML tag, using the one or more behaviors to map user interactions to the XML document and effect structural changes on the XML document.

40 (Original) The method of claim 39, wherein the one or more behaviors are data shape-dependent.

41 (Original) The method of claim 39, wherein the one or more behaviors are data shape-dependent, the data shape being defined by the XML document.

42 (Original) The method of claim 39, wherein the one or more behaviors are independent of any XML schema.

43 (Canceled)

44 (Canceled)

45 (Canceled)

### *Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quoc A. Tran whose telephone number is (571) 272-4103. The examiner can normally be reached on Monday through Friday from 8 AM to 4:30 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Herndon R. Heather can be reached on (571) -272-4136. The fax phone number for the organization where this application or proceeding is assigned is (571)-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Technology Center 2176  
September 14, 2006

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